ABSTRACT

A method and apparatus for microfluidic processing by programmably
manipulating a packet. A material is introduced onto a reaction surface and
compartmentalized to form a packet. A position of the packet is sensed with a position
sensor. A programmable manipulation force is applied to the packet at the position. The
programmable manipulation force is adjustable according to packet position by a
controller. The packet is programmably moved according to the programmable
manipulation force along arbitrarily chosen paths.